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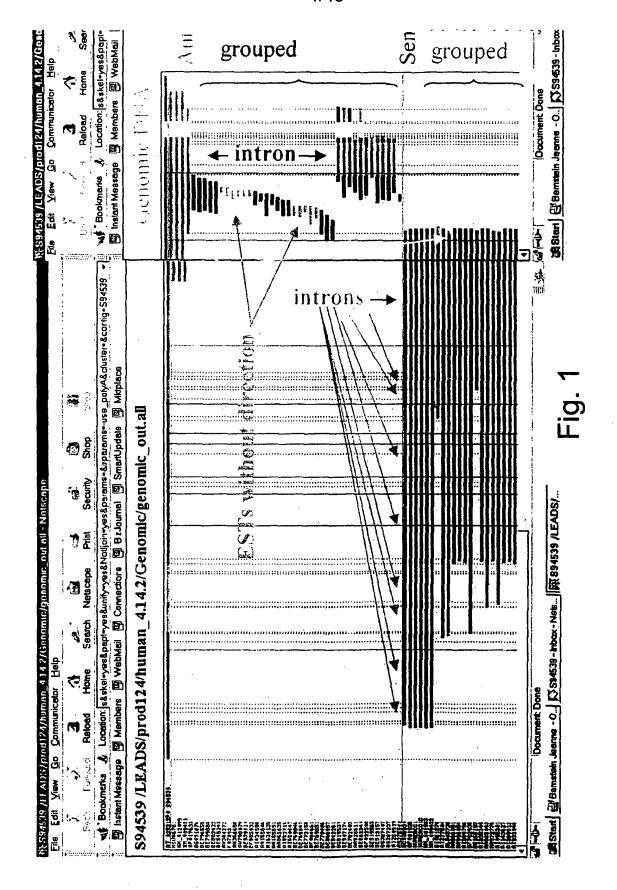
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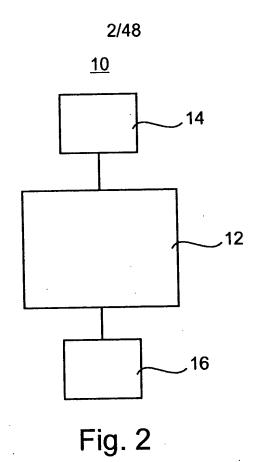
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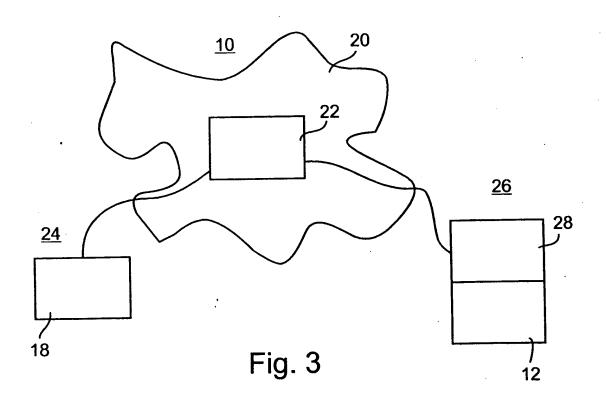
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```
Fig. 4a
                          3/48
                   190
                         Z44352 15
                                      783
570 0 AV705532_0
Query: 1 ggacccaggatatgagcggaaaacactttctctacttagatacaactttttc 52
        Sbjct: 52 ggacccaggatatgagcggaaaacactttctctacttagatacaactttttc 1
Fig. 4b
                                      1649
                                             OL: 52
                   190
                          244352 14
     AV705532_0
570 1
Query: 1 ggacccaggatatgagcggaaaacactttctctacttagatacaactttttc 52
        Sbjct: 52 ggacccaggatatgagcggaaaacactttctctacttagatacaactttttc 1
Fig. 4c
                                             OL: 52
                                       1861
                          Z44352 13
570 2
     AV705532 0
                   190
       ggacccaggatatgagcggaaaacactttctctacttagatacaactttttc 52
Query: 1
        Sbjct: 52 ggacccaggatatgagcggaaaacactttctctacttagatacaactttttc 1
Fig. 4d
                                             OL: 54
                                       1934
     AW070860 0
                    214
                          T81142 7
          gtaagggaactttggcgacttagtgcgatcactgggagaattgtagagtccact 54
          Sbjct: 1215 graagggaactttggcgacttagtgcgatcactgggagaattgtagagtccact 1162
 Score = 22.3 bits (11), Expect = 0.66
 Identities = 11/11 (100%)
 Strand = Plus / Minus
Query: 146 acttccagagg 156
         1111111111
Sbjct: 760 acttccagagg 750
Fig. 4e
                                       2353
                          T81142 6
      AW070860 0
                    214
 571 1
          gtaagggaactttggcgacttagtgcgatcactgggagaattgtagagtccact 54
Ouery: 1
          Sbjct: 1215 gtaagggaactttggcgacttagtgcgatcactgggagaattgtagagtccact 1162
  Score = 22.3 bits (11), Expect = 0.66
  Identities = 11/11 (100%)
  Strand = Plus / Minus
```

Query: 146 acttocagagg 156

Sbjot: 760 acttocagagg 750

1111111111

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Score = 22.3 bits (11), Expect = 0.66 Identities = 11/11 (100%) Strand = Plus / Plus

Fig. 4f

Score = 22.3 bits (11), Expect = 0.66 Identities = 11/11 (100%) Strand = Plus / Minus

Score = 22.3 bits (11), Expect = 0.66
Identities = 11/11 (100%)
Strand = Plus / Plus

Fig. 4g

Fig. 4h

Score = 22.3 bits (11), Expect = 0.66

Identities = 11/11 (100%). Strand = Plus / Plus

Query: 100 ggaaaacacac 110 |||||||||||||| Sbjct: 913 ggaaaacacac 923

Fig. 4i

Fig. 4j

Fig. 4k

53BP1_76P OF2: 2018	53BP1	10394	76P .	6837	OL:	3046	OF1: 5463	
Identitie	659 bits (8 s - 840/84) Plus / Min	1 (99%)	ect = 0.0					
7491	11111111	111111111	111111111	111111111	111111	11111	teteageteact	
7551	11313111	111111111	111111111		111111	11111	gagtagctggg ggagtagctggg	į
7611	* * (1 1 1 1	111111111	11111111	111311111	111111	11111	gaatcgaggttt !!!!!!!!!!!! gaatcgaggttt	F
7671		111111111	11111111		[[[]]	111111	cccgcctcggcc 	ı
7731	111111	111111111	111111111	111111111	111111	111111	aaatactttaa 	11
7791	1311111		1111111	111111111	11111	11111	acttggtatagg 	Н
7851	1131111	1111; [11]		111111111		 taaca	tccagcagttag 	11

```
Query: 7852 tatttataaacataattactttttcacatatgaaccataaaatatttaactttctgctct
         Sbjct: 2693 tatttataaacataattactttttcacatatgaaccataaaatatttaactttctgctct
2634
Query: 7912 atattgtttgtttaccgctgtatctcccacagcttgaacagtaccaaggtacgtagtagg
7971
         Sbjct: 2633 atattgtttgtctaccgctgtatctcccacagcttgaacagtaccaaggtacgtagtagg
2574
Query: 7972 tgctcaataaatgactattgaataaatgaacatatccaacaaatgttctcaatgtaaagg
8031
         Sbjct: 2573 tgctcaataaatgactattgaataaatgaacatatccaacaaatgttctcaatgtaaagg
2514
Query: 8032 atcagagatgccacatgttctccttgatgggagagacccttccacatgggaatgatggga
         Sbjct: 2513 atcagagatgccacatgttctccttgatgggagagacccttccacatgggaatgatggga
2454
Query: 8092 aggagttgtactcctggatgttcagtaactgcttctaggagaaaaggtagagtcctatca
8151
         Sbjct: 2453 aggagttgtactcctggatgttcagtaactgcttctaggagaaaaggtagagtcctatca
Query: 8152 ctaagccgcagatatttatttgtgtgtgtgtagaatgggatgttttgaatcttctgttac
         Sbjct: 2393 ctaagccgcagatatttatttgtgtgtggctagaatgggatgttttgaatcttctgttac
2334
Query: 8212 aaccttgggaacgtggctgttatttcaatttatgagccagaaattttcacatcccgaaac
8271
         Sbjct: 2333 aaccttgggaacgtggctgttatttcaatttatgagccagaaattttcacatcccgaaac
2274
 Query: 8272 t 8272
 Sbjct: 2273 t 2273
 Score = 1655 bits (835), Expect = 0.0
```

Identities = 849/856 (99%)

Strand = Plus / Minus

Fig. 5a continued

Query: 5962	5903	agatattgctttaggggtatttgatgtggtggtgacggacccctcatgcccagcctcggt
Sbjct:	4642	
4583		
Query: 6022	5963	gctgaagtgtgctgaagcattgcagctgcctgtggtgtcacaagagtgggtgatccagtg
Sbjct: 4523	4582	
Query:	6023	cctcattgttggggagagaattggattcaagcagcatccaaaatataaacacgattatgt
6082		
Sbjct: 4463	4522	cctcattgttggggagagaattggattcaagcagcatccaaaatataaacacgattatgt
	6083	ttctcactaaagatacttggtcttactggttttattccctgctatcgtggagattgtgtt
6142	4460	
4403	4462	Cicicaccaaagacacceggeeedaccgggeesacca
Query: 6202	6143	ttaaccaggttttaaatgtgtcttgtgtgtaactggattccttgcatggatcttgtatat
	4402	
Oueru	620°	agttttatttgctgaacttttatgataaaataaatgttgaatctctttggttgtagtaac
6262		
Sbjct: 4283	4342	agttttatttgctgaacttttatgataaaataaatgttgaatctctttggttgtagtaac
	6263	3 tgggatttetteatetgnnnnnngagettaateteagaacaaatgacaagacatagtae
6322 Shiet	428	
1223	420	
Query: 6382	632	3 titctctgagtctitcaacaggcttattcacttacggaggacagctcaccaaggaaattg
	422	
Oppress	. 63 <u>8</u>	3 aaaagttaagagtgaacillaticigtggcatcattcccaaaaggttaticcagggtgtc
6442	. 030	Fig. 5a continued

```
Sbjct: 4162 aaaagttaagagtgaactttattctgtggcatcattcccaaaaggttattccagggtgtc
4103
Query: 6443 taaaatgctatgcttgcagaaactcagtttaaggtaggtgaaggcccagattaacagttg
6502
         Sbjct: 4102 taaaatgctatgcttgcagaaactcagtttaaggtaggtgaaggcccagattaacagttg
4043
Query: 6503 tgccaaaagttgagtggaattgggcacagctctgtttcctgacagttaaaaaagacctca
6562
         Sbjct: 4042 tgccaaaagttgagtggaattgggcacagctctgtttcctgacagttaaaaaagacctca
3983
Query: 6563 tgctctctctctgagctgagatcacagctcacctgtgggtactccccaactcttagagct
6622
         181438411141585531951115955541
Sbjct: 3982 tgctctctctctgagctgagatcacagctcacctgtgggtactccccaactcttagagct
3923
Query: 6623 aaagggagaacgaaaggaccaactgccatgaagggacagtgaccataagcttgatggaat
6682
         Sbjct: 3922 aaagggagaacgaaaggaccaactgccatgaagggacagtgaccataagcttgatggaat
Query: 6683 gaccttccgtaagataaacatgggaagcacaagtgagaacacctggaaatgttacacgtt
6742
         Sbjct: 3862 gaccttccgtaagataaacatgggaagcacaagtgagaacacctggaaatgttacacgtt
3803
Query: 6743 ctagtcaaagacccaa 6758
         111111111111111
Sbjct: 3802 ctagtcaeagacccaa 3787
 Score = 1211 bits (611), Expect = 0.0
 Identities = 625/632 (98%)
 Strand = Plus / Minus
Query: 6778 gtcacaatagetggaagcagttccttcccttcctctggcatcactgatccctgcatggct
6337
         Sbjct: 3767 gtcacaatagetggaagcagttccttcccttcctctggcatcactgatccctgcatggct
                                 Fig. 5a continued
```

		10/40
Qu ry: 6897	6838	tctcattctctaaagcaggggtcaacaaggnnnnnnnctgtaaagggtcaaagagtaaat
	3707	
Query: 6957	6898	atttcaggctttgtgggccatttgatccatcacaactactcgcctttgctgtgagggcat
Sbjct: 3588	3647	
Query: 7017	6958	gaaagcaaccatagacaatgagtaaacaaatgggcacggctgtgtttcagtaaaactgta
	3587	
Query: 7077	7018	caaaaacagacagccatagtttgccagctcctgctccagagacagcagtggaaagg
	3527	
Query:	7078	gtgatctttagttgataatagcagggaataagttgtcagagcttcccagtgtgtgt
	3467	
Query: 7197	7138	tatgtagtgatgaaaaccagatgcagtgactataacctgatgccagaacactgcattctt
Sbjct:	3407	
Query:	7198	tttcagtttggagggcgttgttcagtgaatatttctttttacttac
	3347	[
Query:	7258	tgattaccagtgatggctgggccatattaagataacttcaacccctatggtttgtgtaag
	3287	
Query: 7377	7318	atgggtaattggggcetgcaatetteagtatttaaaaaatetaacaacttgateteaatttt Fig. 5a continued

ą

```
Sbjct: 3227 atgggtaattgggcctgcaatcttcagtatttaaaaatctaacaacttgatctcaattt
3168
Query: 7378 ttcttaaggacctttttcttggagaataatac 7409
         Sbjct: 3167 ttcttaaggacctttttcttggagaataatac 3136
Score = 404 bits (204), Expect = e-115
Identities = 204/204 (100%)
Strand = Plus / Minus
Query: 5556 cagtgtaacacagcttaccagtgtcttctaattgcggatcagcattgtcgaacccggaag
5615
         Sbjct: 6169 cagtgtaacacagcttaccagtgtcttctaattgcggatcagcattgtcgaacccggaag
6110
Query: 5616 tacttcctgtgccttgccagtgggattccttgtgtgtctcatgtctgggtccatgatagt
5675
         Sbjct: 6109 tacttcctgtgccttgccagtgggattccttgtgtgtctcatgtctgggtccatgatagt
6050
Query: 5676 tgccatgccaaccagctccagaactaccgtaattatctgttgccagctgggtacagcctt
         Sbjct: 6049 tgccatgccaaccagctccagaactaccgtaattatctgttgccagctgggtacagcctt
5990
Query: 5736 gaggagcaaagaattctggactgg 5759
         11111111111111111111111111111
Sbjct: 5989 gaggagcaaagaattctggactgg 5966
 Score = 291 bits (147), Expect = 1e-80
 Identities = 147/147 (100%)
 Strand = Plus / Minus
Query: 5758 ggcaaccccgtgaaaatcctttccagaatctgaaggtactcttggtatcagaccaacagc
5817
         Sbjct: 5159 ggcaaccccgtgaaaatcctttccagaatctgaaggtactcttggtatcagaccaacagc
5100
Query: 5818 agasetteetggagetetggtetgagateeteatgaetggtggtgeageetetgtgaage
         Sbjct: 5099 agaacttoctggagetetggtetgagatecteatgaetggtggtgeageetetgtgaage
5040
                                 Fig. 5a continued
```

```
Query: 5878 agcaccattcaagtgcccataacaaag 5904
        1111111111111111111111111111
Sbjct: 5039 agcaccattcaagtgcccataacaaag 5013
Score = 281 bits (142), Expect = 9e-78
Identities = 142/142 (100%)
Strand = Plus / Minus
Query: 8920 ctgcccagagttccaccagcctgggtatagtatttgttataatctagtcgtaacagtagt
8979
        Sbjct: 2274 ctgcccagagttccaccagcctgggtatagtatttgttataatctagtcgtaacagtagt
2215
Query: 8980 tgagccaaatctgagttgatctgatgattccgaacactggagagaatcttgaacaggagt
        Sbjct: 2214 tgagccaaatctgagttgatctgatgattccgaacactggagagaatcttgaacaggagt
Query: 9040 gaagactggcggctaaagccct 9061
        Sbjct: 2154 gaagactggcggctaaagccct 2133
 Score = 226 bits (114), Expect = 5e-61
 Identities = 117/118 (99%)
 Strand = Plus / Minus
Query: 9673 ccttcacgagaatgctcagctgggcggctccacgctcatccagtgggcctaggttctgac
9732
        Sbjct: 2135 ccttcacgagaatgctcagctgggcggctccacgctcatccagtgggcctaggttctgac
2076
Score = 190 \text{ bits } (96), \text{ Expect = } 3e-50
 Identities = 96/96 (100%)
 Strand = Flus / Minus
Query: 5463 gaatttttggaaattcctcctttcaacaagcagtatacagaatcccagcttcgagcagga
5522
         Shjet: 6812 gaatttttggaaatteeteettteaacaageagtatacagaateecagettegageagga
6753
                              Fig. 5a continued
```

Query: 5523 gctggctatatccttgaagatttcaatgaagcccag 5558

Sbjct: 6752 gctggctatatccltgaagatttcaatgaagcccag 6717

Score = 52.0 bits (26), Expect = 2e-08 Identities = 26/26 (100%)
Strand = Plus / Minus

Query: 7668 gcctcccaaagtgctgggattacagg 7693

Sbjct: 5312 gcctcccaaagtgctgggattacagg 5287

Fig. 5a continued

```
Query: 1710 TCCCTGAGT 1702
         1111111
      541 TCCCTGAAT 549
Sbjct:
Score = 1322 (365.4 bits), Expect = 0.0, Sum P(13) = 0.0
Identities = 266/268 (99%), Positives = 266/268 (99%), Strands Minus /
      757 CCTGTAGGCCCAGAAGGATGTCGGTCTGCTACCGTCCCCCAGGGAACGAGACACTGCTGA
Query:
698
         5426 CCTGTAGGCCCAGAAGGATGTCGGTCTGCTACCGTCCCCCAGGGAACGAGACACTGCTGA
Sbjct:
5485
      697 GCTGGAAGACTTCGCGGGCCACAGGCACAGCCTTCCTGCTGCTGGCGGCGCTGCTGGGGC
Query:
638
         5486 GCTGGAAGACTTCGCGGGCCACAGGCACAGCCTTCCTGCTGCTGGCGGCGCTGCTGGGGC
Sbjct:
5545
      Query:
578
         5546 TGCCTGGCAACGGCTTCGTGGTGTGGAGCTTGGCGGGCTGGCGGCCTGCACGGGGGCGAC
Sbjct:
5605
      Query:
518
          5606: CGCTGGCGGCCACGCTTGTGCTGCACCTGGCGCTGCCGACGGCGCGGTGCTGCTCA
Sbict:
5665
      517 CGCCGCTCTTTGTGGCCTTCCTGACCGG 490
Query:
          33131111111
Sbjct: 5666 CGCCGCTCTTTGTGGCCTTCCTGACCCG 5693
 Score = 1316 (363.8 bits), Expect = 0.0, Sum P(13) = 0.0
 Identities = 264/265 (99%), Positives = 264/265 (99%), Strands Minus /
Plus
       421 CAAGCGTGCTCACCGCCCTCCTCACCCTGCAGCGCTGCCTCGCAGTCACCCGCCCCT
Query:
362
          5762 CCAGCGTGCTCACCGGCCTGCTCAGCCTGCAGCGCTGCCTCGCAGTCACCCGCCCCT
Sbjct:
5821
       361 TCCTGGCGCCTCGGCTGCCAGCCCGGCCCTGGCCGCCTGCTGCTGCTGGCGGTCTGGC
Query:
302
          5822 TCCTGGCGCCTCGGCTGCGCAGCCCGGCCCTGGCCCGCCTGCTGCTGCCGGCTCTGGC
Sbjct:
5881
       301 TGGCCGCCCTGTTGCTCGCCGTCCCGGCCGTCTACCGCCACCTGTGGAGGGACCGCG
Query:
242
          5882 TGGCCGCCCTGTTGCTCGCCGTCCCGGCCGCCGTCTACCGCCACCTGTGGAGGGACCGCG
Sbjct:
5941
```

Fig. 5b continued

```
241 TATGCCAGCTGTGCCACCCGTCGCCGGTCCACGCCGCCCCACCTGAGCCTGGAGACTC
Query:
182
          Sbjct:
6001
      181 TGACCGCTTTCGTGCTTCCTTTCGG 157
Query:
          6002 TGACCGCTTTCGTGCTTCCTTTCGG 6026
Sbict:
Score = 920 (254.3 bits), Expect = 0.0, Sum P(13) = 0.0
Identities = 188/193 (97%), Positives = 188/193 (97%), Strands Minus /
Query: 1708 CCTGAGTACTTTCTTTGGGCCAAGTCCTTGAAAGTCACAACTCATAGAGTAGAGCCCGTA
1649
          724 CCTGAGTACTTTCTTTGGGCCAAGTCCTTGAAAGTCACAACTCATAGAGTAGAGCCCGTA
Sbjct:
783
      1648 GAATGTGGCTTTGACATTCAGGCTGCCAAAGAGGTCTCGAGGGTTTTGCTTGTACACGTC
Query:
1589
          784 GAATGTGGCTTTGACATTCAGGCTGCCAAAGAGGTCTCGAGGGTTTTGCTTGTACACGTC
Sbjct:
843
      1588, AAAGGTGAATCGGCCGATGTCCTTGCTGTGCTTGGGGCTCTCCCGTCCAGGCCCATATGA
Query:
1529
          844 AAAGGTGAATCGGGCGATGTCCTTGCTGTGCTTGGGCCTCTCCCGTCCCAGGCCATATGA
Sbjct:
903
      1528 CAGCACTCCACTC 1516
Query:
          11111111111111
       904 CAGCACTCCACTC 916
Sbjct:
 Score = 753 (208.2 bits), Expect = 0.0, Sum P(13) = 0.0
Identities = 157/165 (95%), Positives = 157/165 (95%), Strands Minus /
Plus
      1529 ACAGCACTCCACTCCTTGTAGGGCTCCAGCTCTGACCAGACTGCAACACCATCAGGCACG
Query:
1470
                    1 11 111
      1139 ATAGGCCTCTTACCCTTGTAGGGCTCCAGCTCTGACCAGACTGCAACACCATCAGGCACG
Sbjct:
1198
      1469 TGTCATCCTCCAGCAGCTGGAAGAAGTCCTCACTGTCCACTGCAGTTCCATCCTCTA
Query:
1410
          1199 TGTCATCCTCCAGCAGCTGGAAGAAGTCCTCACTGTCCACTGCAGTTCCATCCTCCTCTA
Sbjct:
1258
      1409 GCACCAGGGTTAGCACTCCATTCAGCAGTAGGGTCTCCAATGCTT 1365
Query:
          1259 GCACCAGGGTTAGCACTCCATTCAGCAGTAGGGTCTCCAATGCCT 1303
Sbict:
 Score = 746 (206.2 bits), Expect = 0.0, Sum P(13) = 0.0
```

Fig. 5b continued

```
Identities = 150/151 (99%), Positives = 150/151 (99%), Strands Minus /
Plus
Query: 1369 TGCTTTGGCTAGCAGCTCCTGGCGGGTGGCAGCTGTCAGGCCTTTCCGGATGGTCCGCTT
          2146 TACTTTGGCTAGCAGCTCCTGGCGGGTGGCAGCTGTCAGGCCTTTCCGGATGGTCCGCTT
Sbjct:
2205
      1309 GTGATCACAGACACGGAAAGGTCGCTGGGGTGGTGGAGCTGAGGTCCAGACCCTCCGTCC
Query:
1250
          2206 GTGATCACAGACACGGAAAGGTCGCTGGGGTGGGAGCTGAGGTCCAGACCCTCCGTCC
Sbjct:
2265
      1249 AAACTCCGAGCTTATATTAGATACTGACCTG 1219
Oucry:
          2266 AAACTCCGAGCTTATATTAGATACTGACCTG 2296
Sbjct:
 Score = 737 (203.7 bits), Expect = 0.0, Sum P(13) = 0.0
Identities = 148/150 (98%), Positives = 149/150 (99%), Strands Minus /
Plus
      1118 CTGCTCTTTCCTTCCTTCGTCGGAGGAGGGGCTGGCTCACTGCTCTGGCTTCATTTT
Query:
1059
          3257, CTGCTCTTTCCTTCCTTCGTCGGAGGAGGGGCTGGCTCACTGCTCTGGCTTCATTTT
Sbjct:
3316
      1058 CCAGAGCTGCCTGCAGTCACACTTAGGTCATCTTCTCTCACTTTTCTCCTTTTGCCG
Query:
999
          3317 CCAGAGCTGCCTGCTGCAGTCACACTTAGGTCATCTTCTCTCACTTTTCTCCTTTTGCCG
Sbict:
3376
       998 ATTACTCCACGTGACAGAGATCTGAATRTG 969
Ouerv:
          3377 ATTAGTGGACGTGACAGAGATGTGAATGGG 3406
Sbjct:
 Score = 714 (197.4 bits), Expect = 0.0, Sum P(13) = 0.0
 Identities - 146/150 (97%), Positives - 146/150 (97%), Strands Minus /
Plus
       166 TTCCTTTCGGCTGATGCTCGGCTGCTACAGCGTGACGCTGGCACGGCTGCGGGGGCGCCCG
Query:
107
          6018 TCCTTTCGGGCTGATGCTCGGCTGCTACAGCGTGACGCTGGCACGGCTGCGGGGGCGCCCG
Sbjct:
6077
       106 CTGGGGCTCCGGGCGGCACGGGGCGCGGGTGGGCCGGCTGGTGAGCGCCATCGTGCTTGC 47
Query:
           6078 CTGGGGCTCCGGGCGCACGGGGCGCGGGGGGGCGGCTGGTGAGCGCCATCGTGCTTGC
Sbjct:
6137
        46 CTTCGGCTTGCTCTGGGCCCCCTACCACGC 17
Ouerv:
          111111111111111111111111111111111111
      6138 CTTCGGCTTGCTCTGGGCCCCCTACCACGC 6167
Sbict:
```

Fig. 5b continued

```
Score = 638 (176.4 bits), Expect = 0.0, Sum P(13) = 0.0
Identities - 130/133 (97%), Positives - 130/133 (97%), Strands Minus /
Plus
       962 GGGCAGGGGATGTCCTTTGATGGCATCAAGACTTTAGCTTCTGGTGCGCTGTGTCCCAGC
Query:
903
                3404 GGGGCAGGGATGTCCTTTGATGGCATCAAGACTTTAGCTTCTGGTGCGCTGTGTCCCAGC
Sbjct:
3463
       902 TCTGATTTCAGTTGCAGCCGTGATGGACAGTTGCATGGAAGCTGAGACTCTCACTGACAG
Query:
843
           3464 TCTGATTTCAGTTGCAGCCGTGATGGACAGTTGCATGGAAGCTGAGACTCTCACTGACAG
Sbjct:
3523
       842 TGAAACCCTCAAA 830
Query:
           111111111111
       3524 TGAAACCCTCAAA 3536
Sbjct:
 Score = 537 (148.4 \text{ bits}), Expect = 0.0, Sum P(13) = 0.0
Identities = 109/111 (98%), Positives = 109/111 (98%), Strands Minus /
       1227 ACTGACCTGAGTAAGTCACTGGGGTTCAGAGCTGAGAGGTACTCCATGGTGGACCGGAGA
Query:
1168
           2590 AGTCACCTGAGTAAGTCACTGGGGTTCAGAGCTGAGAGGTACTCCATGGTGGACCGGAGA
Sbjct:
2649
       1167 GTTCCTTCCCTGGAACTTCTGGGCTGGGTGGTTCTCTCCTGTGCTGGGGCT 1117
Query:
           2650 GTTCCTTCCCTGGAACTTCTGGGCTGGTGGTTCTCTCCTGTGCTGGGGCT 2700
Sbjct:
 Score = 394 (108.9 bits), Expect = 0.0, Sum P(13) = 0.0
 Identities = 82/86 (95%), Positives = 82/86 (95%), Strands Minus / Plus
        839 AACCCTCAAAATGAACACAATCCCTGCTTTCCTGCCAAGGATCCTTGTAGGGTCCCCCAG
Query:
780
                 3526 AAACCCTCAAATGAACACAATCCCTGCTTTCCTGCCAAGGATCCTTGTAGGGTCCCCCAG
Sbjct:
3585
        779 CTTCCCCACTTTTTTTCTGTGTCCTG 754
Query:
           141111111111111111111111111111
       3586 CTTCCCCACTTTTTTTCTGTGTCCTG 3611
Sbjct:
 Score = 370 (102.3 bits), Expect = 0.0, Sum P(13) = 0.0
 Identifies = 74/74 (100%), Positives = 74/74 (100%), Strands Minus / Plus
        493 CCGGCAGGCCTGGCCGCTGGGCCAGGCGGGCTGCAAGGCGGTGTACTACGTGTGCGCGCT
Query:
434
           5691 CCGGCAGGCCTGGCCGCTGGGCCAGGCGGGCTGCAAGGCGGTGTACTACGTGTGCGCGCT
5750
        433 CAGCATGTACGCCA 420
                                     Fig. 5b continued
Query:
            111111111111
Eblot: 5751 CAGCATGTACGCCA 5764
```

		19/48
CIDEB2	•	CIDEB2 1511 BLTR2 6530 OL: 1410 OF1: 1 OF2:
Score Identi Plus	= 2736 ties =	(756.0 bits), Expect = 0.0, Sum P(5) = 0.0 548/549 (99%), Positives = 548/549 (99%), Strands Minus /
Query: 1325	1384	TTTTGTTAGTTTGAGGGGAAGGGTATGAAGACAGATCTCAAGGTAAAGTCAGAGAGGGCT
Sbjct:	1	
Query: 1265	1324	GTCATCAGTATGCTGGGGAGTTTAGGGACAGGAGGCATTGGTAGGGGATTAGATGTAGCA
Sbjct: 120	61	
Query: 1205	1264	GCAGTCAGGCTGGGATCAAGATGCCTGGGGGACATCTTGATCTTGGCCTTTCAGGGCAAG
Sbjct: 180	121	
Query: 1145	1204	TGGGAGGCCAGAAAGGTGGCTAGGAAAGAACAGCATTCTTCAGGTAAGGGTATAGACTTG
Sbjct: 240	181	TGGGAGGCCAGAAAGGTGGCTAGGAAAGAACAGCATTCTTCAGGTAAGGGTATAGACTTG
Query: 1085	1144	GGATGTGAGGCGTTATGCTGAAAGGTTCTGTCACGAGGGGATCAGAGGACAGTGGGGAAA
Sbjct:	: 241	
Query: 1025	1084	TTGGGTGGGTTATCTAGCCTGTACTGTCTGCAGGTCCTGAAATTTGATGCTGTCATAGTC
Sbjct:	301	
Query:	. 1024	TTTGCAGTGGGTCGGTTGGAATGATTCTGGGGGCAGAAGCTCAGAGCCCCTTAGTAGGAA
Sbjct:	361	TTTGCAGTGGGTCGGTTGGAATGATTCTGGGGGCAGAAGCTCAGAGCCCCTTAGTAGGAA
Query:	964	TGGAGGCGGCCCTTCTGCTGCCACTGCTCAGCCCCCTCCACTGCATGACGAAGGGTGGAG
Sbjct:	421	TGGAGGCGGCCCTTCTGCTGCCACTGCTCAGCCCCCTCCACTGCATGACGAAGGGTGGAG
Query: 845	904	GAAATTCCCAGCAACATATGGCCCAGGCCTTGCACCACTGTGCAGGTCCAACGAAGGAGC
Sbjot:	: 481	HILLHILLI HILLIH HILLHILLIH HILLHILLIH HILLHILL
		Fig. 5c

```
844 TCCCTGAGT 836
Query:
         1111111
      541 TCCCTGAAT 549
Sbjct:
Score = 1787 (493.8 bits), Expect = 0.0, Sum P(5) = 0.0
Identities = 359/361 (99%), Positives = 359/361 (99%), Strands Minus /
Plus
      361 ACTGACCTGAGTAAGTCACTGGGGTTCAGAGCTGAGAGGTACTCCATGGTGGACCGGAGA
Query:
302
         2590 AGTCACCTGAGTAAGTCACTGGGGTTCAGAGCTGAGAGGTACTCCATGGTGGACCGGAGA
Sbjct:
2649
      301 GTTCCTTCCCTGGAACTTCTGGGCTGGGTGGTTCTCTCCTGTGCTGGGGCTTTAGTGGTG
Ouery:
242
         2650 GTTCCTTCCCTGGAACTTCTGGGCTGGGTGGTTCTCTCTGTGCTGGGGGCTTTAGTGGTG
Sbjct:
2709
      241 TTTTCTGTTACAAACCTGGGATCTCAGCCCAGGACAAGGTGGGAATGAGTCAAGCCTGGA
Query:
182
         2710 TTTTCTGTTACAAACCTGGGATCTCAGCCCAGGACAAGGTGGGAATGAGTCAAGCCTGGA
Sbjct:
2769
      Query:
122
         Sbjct:
2829
      121 GGCCAGATGGGGTCCTGGAGGAAGAATTGCCTGGCAAAAGCCATTGGAGCTTGTATGTGT 62
Query:
         2830 GGCCAGATGGGGTCCTGGAGGAAGAATTGCCTGGCAAAAGCCATTGGAGCTTGTATGTGT
Sbict:
2889
       61 GTCTTTGGTGATGACATGTTGTGAGGGTAGATGGGAACCATGTAAAAGGATGAAATGT 2
Query:
         2890 GTCTTTGGTGATGACATGTGTTGTGAGGGTAGATGGGAACCATGTAAAAGGATGAAATGT
Sbjct:
2949
       1 G 1
Query:
      2950 G 2950
Sbjct:
 Score = 965 (266.6 bits), Expect = 0.0, Sum P(5) = 0.0
 Identities = 193/193 (100%), Positives = 193/193 (100%),
                                           Strands Minus /
Plus
       842 CCTGAGTACTTTCTTTGGGCCAAGTCCTTGAAAGTCACAACTCATAGAGTAGAGCCCGTA
Query:
783
          724 CCTGAGTACTTTCTTTGGGCCAAGTCCTTGAAAGTCACAACTCATAGAGTAGAGCCCGTA
Sbjct:
783
       782 GAATCTGCCTTTGACATTCACGCTGCCAAAGAGGTCTCGAGGGTTTTGCTTGTACACGTC
Query:
.723
```

Fig. 5c continued

```
784 GAATGTGGCTTTGACATTCAGGCTGCCAAAGAGGTCTCGAGGGTTTTGCTTGTACACGTC
Sbjct:
843
       722 AAAGGTGAATCGGGCGATGTCCTTGCTGTGCTTGGGCCCTCCCCGTCCCAGGCCATATGA
Query:
663
          844 AAAGGTGAATCGGGCGATGTCCTTGCTGTGCTTGGGCCCTCTCCCGTCCCAGGCCATATGA
Sbjct:
903
       662 CAGCACTCCACTC 650
Query:
          111111111111111
       904 CAGCACTCCACTC 916
Sbjct:
 Score = 757 (209.2 bits), Expect = 0.0, Sum P(5) = 0.0
Identities = 161/173 (93%), Positives = 161/173 (93%), Strands Minus /
       671 GCCATATGACAGCACTCCACTCCTTGTAGGGCTCCAGCTCTGACCAGACTGCAACACCAT
Query:
612
                          1 1 11 111
      1131 GCCCCAGTATAGGCCTCTTACCCTTGTAGGGCTCCAGCTCTGACCAGACTGCAACACCAT
Sbjct:
1190
       611 CAGGCACGTGTCATCCTCCAGCAGCTGGAAGAAGTCCTCACTGTCCACTGCAGTTCCATC
Query:
552
          1191 CAGGCACGTGTCATCCTCCAGCAGCTGGAAGAAGTCCTCACTGTCCACTGCAGTTCCATC
Sbjct:
1250
       551 CTCCTCTAGCACCAGGGTTAGCACTCCATTCAGCAGTAGGGTCTCCAATGCTT 499
Query:
          1251 CTCCTCTAGCACCAGGGTTAGCACTCCATTCAGCAGTAGGGTCTCCAATGCCT 1303
Sbjct:
 Score = 746 (206.1 bits), Expect = 0.0, Sum P(5) = 0.0
 Identities = 150/151 (99%), Positives = 150/151 (99%), Strands Minus /
Plus
       503 TGCTTTGGCTAGCAGCTCCTGGCGGGTGGCAGCTGTCAGGCCTTTCCGGATGGTCCGCTT
Ouery:
444
          Sbjct: 2146 TACTTTGGCTAGCAGCTCCTGGCGGGTGGCAGCTGTCAGGCCTTTCCGGATGGTCCGCTT
2205
       443 GTGATCACAGACACGGAAAGGTCGCTGGGGTGGTGGAGCTGAGGTCCAGACCCTCCGTCC
Query:
384
          2206 GTGATCACAGACACGGAAAGGTCGCTGGGGTGGTGGAGCTGAGGTCCAGACCCTCCGTCC
Sbjct:
2265
       383 AAACTCCGAGCTTATATTAGATACTGACCTG 353
Query:
          2266 AAACTCCGAGCTTATATTAGATACTGACCTG 2296
Sbjct:
```

Fig. 5c continued

APAF1_EE	-	APAF1	7042	EB1a	1752	OL:	141	OF1:	6889	
Score = Identit Plus	= 705 :ies =	(194.8 b) = 141/141	its), Exp (100%),	pect = 3.9e-5 Positives =	52, P = 3 141/141	.9e-5 (100%	62 6), 5	Stranc	ds Minus	s /
Query: 6970	7029	TGTTTTTC	AAAACAAT'	TTTGTGAATTTT	ATTTTTACA	RAAA 1	TTTTT	TAAATI	CATATT:	TT
-		11111111				ן ימממ		 ידמממיי		
Sbjct: 1671	1612	TGTTTTTC	AAAACAAT"	TTTGTGAATTTT.	ATTTTACA	nana.	1111	tubu:	CAINII	••
Query:	6969	AAAATGTA	TACCAAGG	CAAAAAAATCAT	ATAAGCTAT	ATCA:	TAAAT	ACAAG	AGTTTCA	AA.
6910		11111111	1111111		нини	1111	11111	11111	111111	11
Sbjct: 1731	1672	AAAATGTA'	TACCAAGG	CAAAAAAATCAT	ATAAGCTAT	ATCA'	TAAAT	ACAAG	AGTTTCA	AA
Query:	6909			TAATG 6889						
Sbjct:	1732		 GAGACATA	TAATG 1752						

Fig. 5d

```
4863
                                        OL: 236 OF1: 2175
                  2457
                        MINK2
Hum AChR MINK2
            AChR
OF2: 4583
Score = 218 bits (110), Expect = 2e-59
Identities = 110/110 (100\%)
Strand = Plus / Minus
2313
         4728
Query: 2314 ctccctgctccctccctccaccggggaagggcatgggctagaagaggaga 2363
         Sbjet: 4727 etecetgetecetecetecaceggggaagggcatgggetagaagaggaga 4678
 Score = 133 bits (67), Expect = 9e-34
 Identities = 74/75 (98%), Gaps = 1/75 (1%)
 Strand = Plus / Minus
Query: 2384 aatgttttggctg-cggggtcccccctccattccctggagtttgggggaaggggaatcat
2412
         Sbjct: 4657 aatgttttggctggcggggtcccccctccattccctggagtttgggggaaggggaatcat
4598
Query: 2443:taaagtgctttcaga 2457
         1111111111111111
Sbjct: 4597 taaagtgctttcaga 4583
 Score = 103 \text{ bits } (52), \text{ Expect} = 8e-25
 Identities = 52/52 (100%)
 Strand = Plus / Minus
Query: 2175 agctggttgaattgtctttattaacaaacaggatatccaaggccactacatt 2226
         Sbjct: 4863 agctggttgaattgtctttattaacaaacaggatatccaaggccactacatt 4812
```

Fig. 5e

Mar AChD	. Ma	s AChR	1590	Anti Mu	s AChR	2227	OL:	672	OF1:
Mus_AChR 934	OF	2: 506	• • • • • • • • • • • • • • • • • • • •	_	_				
Score = Identit Plus	= 1221 ies =	(337.4 bi 245/246 (ts), Exp 99%), Po	ect = 3. sitives	7e-254, Sur = 245/246	n P(4) = (99%), S	3.7e-254 Strands M	inus	/
Query: 1528	1587				CGGCCTGTTT				
Sbjct: 565	506	AGTTCACAAA	CCAGATT	PATTGTCAG	CGGCCTGTTT	TCAAAATC'	CTTTCTTC	GGGG	GTG
Query: 1468	1527	•			CTCATGGTTGG				
Sbjct: 625	566	GGGGAGAGGT	GGGTGCC	AGTGCAGG(CTCATGGTTGG	ATGCACGG	TGGGTAAG	GAGA	TCA
Query: 1408	1467				ADADTADAADE				
Sbjct:	626	GGAACTTGGT	rtgaagta	HIIIIIII ACCCCAA		 CTAGAACC	IIIIIIII AACGCTGA	IIIII AGAGC	ACC
Query: 1348	1407				CCAGGGCCTTC				
Sbjct: 745	686	AAAGCTGCCG	IIIIIIII CAAAAACA	GACATTGT			 CACCCAGT	CGGAC	CAGT
Query:	1347	TCCTCT 13	42						
Sbjct:	746	TCCTGT 75	1						
Score Identi Plus	= 954 ties :	(263.6 bit = 198/207	ts), Exp (95%), P	ect = 3. Positives	7e-254, Sur = 198/207	n P(4) = (95%),	3.7e-254 Strands	Minu	s /
Query: 1190	1249	GCAGAGGGC'			TGCCGATGCC'				
Sbjct: 1066	1007	GCAGTGCTT	 ACCGGTCC	AAGTTCCG		TCTGACCC	rcaaacaco	AGTT	CGCT
Query: 1130	1189				TCCGCTCTGA				
Sbjct: 1126	1067	CCGCGGCTT	! TTTCANGA	 CAGCTC	TCCGCTCTCA	 GCACAATG	CCCVCVCV	CGNGG	CVCC
Query:	1129	•			ATCCTCTGGGG				
Sbjct:	1127	CCTCGCTG.G	! TGAGGCAG	TTCGGGGA			IIIIIIIII GAGCCCAG	IIIII GAGAC	GCGG
Query:	1069	CAGCAGCTC			CAG 1043		Fig]. 5	(Control of the control of the contr

```
Sbjct: 1187 CAGCAGCTCTAATAAAATCTGCAGCCG 1213
Score = 591 (163.3 bits), Expect = 3.7e-254, Sum P(4) = 3.7e-254
Identities = 119/120 (99%), Positives = 119/120 (99%), Strands Minus /
Plus
      1053 ATCTGGCGCAGCCGAGGGGATCTAGCATCACTCCTTGGCGTCCTCAAAGATACGTTGAGC
Query:
994
          1277 ACCTGGCGCAGCCGAGGGGATGTAGCATGAGTCGTTGGCGTCCTCAAAGATACGTTGAGC
Sbjct:
1336
       993 ACGATGACGCAATTCATGACAATGAGCGTGGCAACCACCATGACGAATATAAGATACCTG
Query:
934
          1337 ACGATGACGCAATTCATGACAATGAGCGTGGCAACCACCATGACGAATATAAGATACCTG
Sbjct:
 Score = 546 (150.9 bits), Expect = 3.7e-254, Sum P(4) = 3.7e-254
 Identities = 110/111 (99%), Positives = 110/111 (99%), Strands Minus /
      1346 CCTCTCCAGTGGCTTCCTGGTCTCTTGTGCTCTCAGCCACAAAGTTCACAGCATCCACAC
Query:
1287
          826 CCTCTCCAGTGGCTTCCTGGTCTCTTGTGCTCTCAGCCACAAAGTTCACAGCATCCACAC
Sbjct:
885
      1286 AGCAGCGGATTTCTGGGGCTGCAGCACCCAGGTTCTGGCAGAGGGCTGCGG 1236
Query:
          886 AGCAGCGGATTTCTGGGGCTGCAGCACCCAGGTTCTGGCAGAGGGCTGCTG 936
Sbjct:
```

Fig. 5f continued

				2	0/40				
CyclinE2 OF1: 865	-		2714 2006	Anti_	CyclinE2		6773	OL:	1855
Score = Identit / Plus	: 7885 :ies =	(2178. 1577/1	8 bits), 577 (100%	Expect =), Positi	0.0, Sum ves = 15	P(4) = 77/1577	0.0 (100%),	Stra	ands Minu
Query: 2655	2714		GGCAGCGCA						
Sbjct: 2065	2006	TACAGCT		GAGAAGGA?	ДАДАДАДА ТОАДАДАДАДТ	TTCTCCA	AGCAATGG	CAAAA	CTTTACT
Query: 2595	2654		AGTTAAATT						
Sbjct: 2125	2066	TTTAAGO	 CAGTTAAATT	 TTTTTAAC		 TTAAACA	ATGGGCTA	}	AAACAGT
Query: 2535	2594		AGGTTAAGTT						
Sbjct: 2185	2126	IIIIIII AAAATTK		 TATATAAT	 ACATATGTA	 CACAAT1	AGTGGTGT	TTTCT	TTTCAGA
Query: 2475	2534		ACTGAAACAA						
Sbjct: 2245	2186	CAAAATA	ACTGAAACAA	 ATATTAGT	TTAAAAACA	AACTATA	ACAGAAGAC	TTCAT	ACCGTAA
Query: 2415			атстатасті						
Sbjct: 2305	2246	CAATAA		TCTTCAAA	.GGGAGAAGA	AGATTCA	CATATCTGA	TAACI	AAATAAA
Query: 2355	2414		ATCTAGTTT						
Sbjet: 2365	2306	CTAGCA	ATCTAGTTT	CTAATCTA	CTTTATGAC	GCTGGA	 TTTTTTTT	 TAGA	AAAGCTAA
Query: 2295	2354		atatttaga <i>i</i>						
Sbjct: 2425	2366	TTTAAA	 ATATTTAGA/	AATAGCTAG	 CCTATGTA	 CAGCAAG	 TTTTCATG	IIIII TCTTT	 TTTTAATA
Query: 2235	2294		rttc t agga(
Sbjct: 2485	2426	AATAGA		GTCAGTATA	TATTTAAT.	ACTCTTC	TTCCTTAA	 GAAAA	 TAGAAGTT
Query:	2234	TAGGTC	AAGTGTTAA	GCTTTATCA	ACTTTGACA	CTGTCCT	TATCTCAC	AATGG	AGGAATTT
2175			111111111	11111111	11111111		нинц.		

Fig. 5g

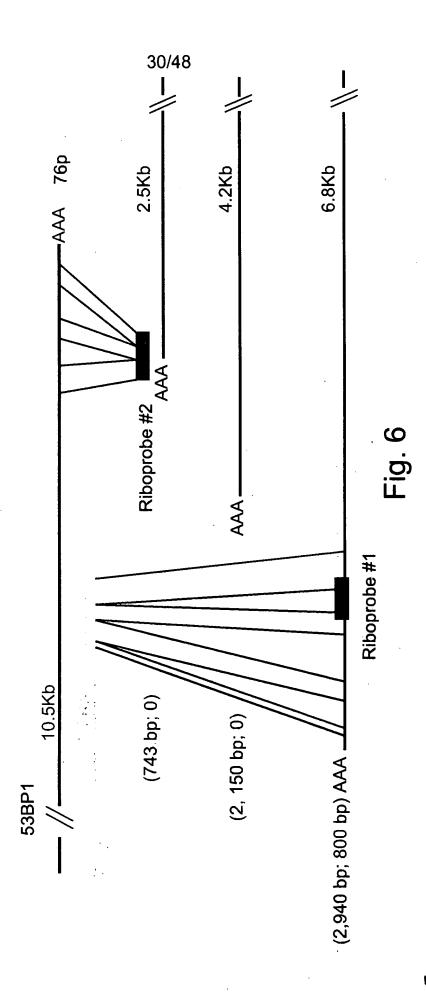
Sbjct: 2545	2486	TAGGTCAAGTGTTAAGCTTTATCACTTTGACACTGTCCTTATCTCACAATGGAGGAATTT
uery:	2174	AGAAAGGACCTTAACAGTTTCACAAACATAAATAAAGCCTTAGTCACACTAAATTAAAAA
Sbjct: 2605	2546	
Query: 2055	2114	AAAAAATTCCTTAGGGATATCTTAGAGTAGTAAAGTGACTTCCTCATATAAATAGTTTGA
Sbjct: 2665	2606	
Query:	2054	AAGGGTACTTAAGTTTTTCACCCAAATTGTGATATACAAAAAGGTTATTACCAAGCAACC
1995 Sbjct: 2725	2666	AAGGGTACTTAAGTTTTCACCCAAATTGTGATATACAAAAAGGTTATTACCAAGCAACC
Query: 1935	1994	TACATGTCAAGAAAGCCCCAGTTAGGAAGGAGCCACAGCATTTATCTTGTTTATAATTTC
5 b jet: 1 2785	2726	
Query: 1875	1934	TTTGGTACTCCCACTGTTTAGAGCACAGGTTGAACACCATGTTCATCTAAGCCTTATTAG
Sbjct: 2845	2786	
Query: 1815	1874	TTAAAAAATGTGTTATGGCAAGGCAAATAAACTAGTTTAAAAAACATTAAATTTCACCAT
Sbjct: 2905	2846	11111111111111111111111111111111111111
Query: 1755	1814	TTGTAGAAATTCAAGTTTTATAATAGCTTGCTATAGCAGCTATAGATAAATTAGTCACCT
	·2906	
Query: 1695	1754	TATTACAAAACTAAACCTTTGTAAACAAGTTTAAATTTAATTTTCAAGAACCAAATTGCA
Sbjct: 3025	2966	
Query: 1635	1694	CTAGTCAAGAGTGTAGGAATTTTGAGAATCTAACAACTAGATTCAAAGTACTGTATCACT
Sbjct: 3085	3926	HILLELLE HELLE HELLELLELLELLELLELLELLELLELLELLELLELLELL
Query: 1575	1634	TAGTATACCCTTTAAGGTAGCACTTATCCAGTCCAAAACTCCAGTGACAAAATTCCTAG

Sb 31	jct: 45	3086	TAGTATACCCTTTAAGGTAGCACTTATCCAGTCCAAAACTCCAGTGACAAAATTCCTAGT
Qu 15	ery: 15	1574	TTATCAAGATAAACACAGTAACACTGGATTAAAGGAAAAACATTGCTATGGTATAGACTG
Sb 32	jct: 05	3146	TTATCAAGATAAACACAGTAACACTGGATTAAAGGAAAAACATTGCTATGGTATAGACTG
	ery: 55	1514	TGGTTGGCTTCTATCCAGTAACCTTGGGAATGAAGACATCTTTGTAAACAAGTCCTGCTG
	jct: 65	3206	TGGTTGGCTTCTATCCAGTAACCTTGGGAATGAAGACATCTTTGTAAACAAGTCCTGCTG
	ery:	1454	TTTCTTTAACAGCTAACATAGGAAATAATTAAATGTATTCTTTAGTGCCAATTGTAAGTT
Sb	jct: 25	3266	
	ery:	1394	TTAAAATCAGAATGGCAGTGTAACTTGTGAATTGGCTAGGGCAATCAAT
Sh	ojct: 185	3326	
	ery:	1334	TTTCTGTAAAACTTTAGTAGTTCAGTGATACCAGTTCTACCCAATCTTGGTGAATTCCAA
	njat: 145	3386	
	ery:	1274	CTTGTTTGCTTAGTTATCTTTTAGTGTTTTTCCTGGTGGTTTTTCAGTGCTCTTCGGTG
Sì	ojct: 505	3446	
	uery:	1214	GTGTCATAATGCCTCCATTGCACACTGGTGACAACTGTCCCCCTTTTCTGAAGGTGTTTA
Sł		• 3506	
Q۱	iery:	1154	TGTAATTTACTTCCTCC 1138
Si	ojct:	.3566	TGTAATTTACTTCCTCC 3582
:	Score Identi lus	= 805 ties	(222.4 bits), Expect = 0.0, Sum P(4) = 0.0 = 161/161 (100%), Positives = 161/161 (100%), Strands Minus /
	ery: 080	1139	CCAGCATAGCCAAATAGTTTGTATGTGTCTGGATATTATGTCTGTC
7 (J00		

Fig. 5g continued

Sbjct: 4026	3967	CCAGCATAGCCAAATAGTTTGTATGTGTCTGGATATTATGTCTGTC
Query: 1020	1079	TCTTAAAAGTCTTCAGCTTCACTGGACTAGTACTTTTTACTACATTCACAAAAGGTACCA
Sbjct:	4027	TCTTAAAAGTCTTCAGCTTCACTGGACTAGTACTTTTTACTACATTGACAAAAGGTACCA
4086		
Query:		TCCAATCTACACATTCTGAAATACTGTCCCACTCCAAACCT 979
Sbjct:	4087	TCCAATCTACACATTCTGAAATACTGTCCCACTCCAAACCT 4127
Score Identi Plus	- 581 ties	(160.5 bits), Expect - 0.0, Sum P(4) - 0.0 = 117/118 (99%), Positives = 117/118 (99%), Strands Minus /
Query:	982	ACCTGAGGCTTTCTTAACCACTTCAATGGAGGTAAAATGGCACAAGGCAGCAGCAGTCAG
	1615	ACCTGAGGCTTTCTTAACCACTTCAATGGAGGTAAAATGGCACAAGGCAGCAGCAGTCAG
Sbjct: 4674	4010	WOOLDWOOT LOT LANGOHOLL OF WASHINGTON
Query:	922	TATTCTGTACTGGAACTCTAATGAATCAATGGCTAGAATACACAGATCTAAAAGCTGA 865
Sbjct:	4675	TATTCTGTACTGGAACTCTAATGAATCAATGGCTAGAATACACAGATCTAAAAGCTAA 4732

Fig. 5g continued



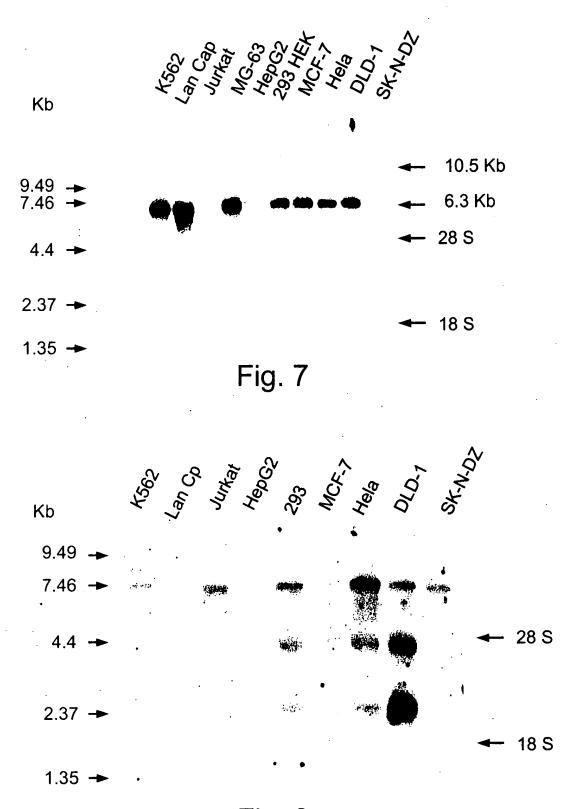


Fig. 8

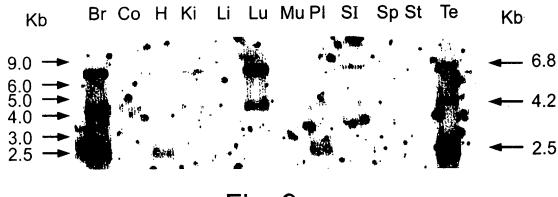


Fig. 9

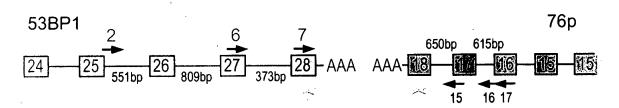


Fig. 10

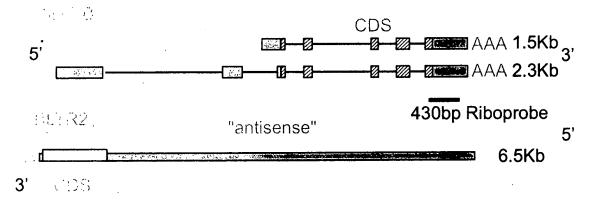


Fig. 11

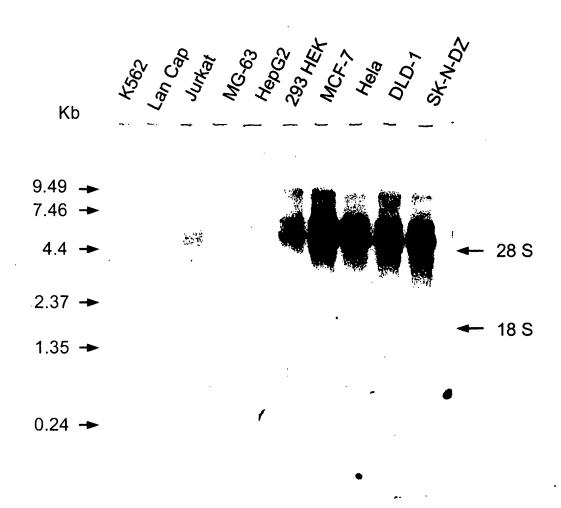


Fig. 12

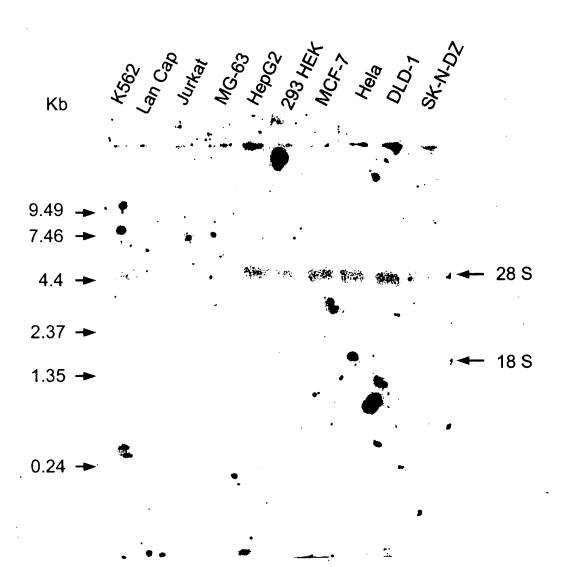
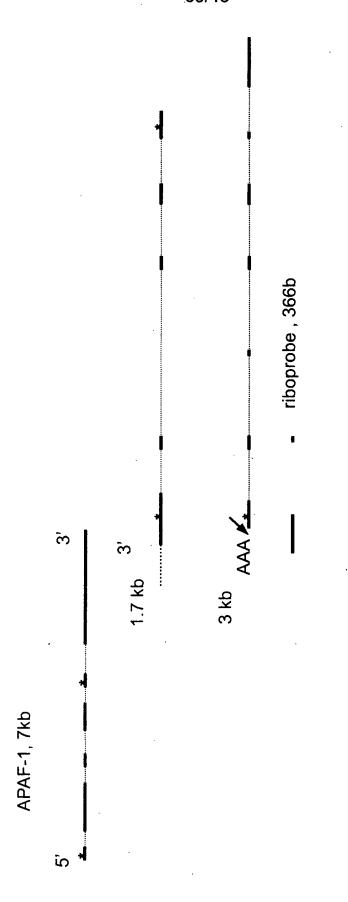
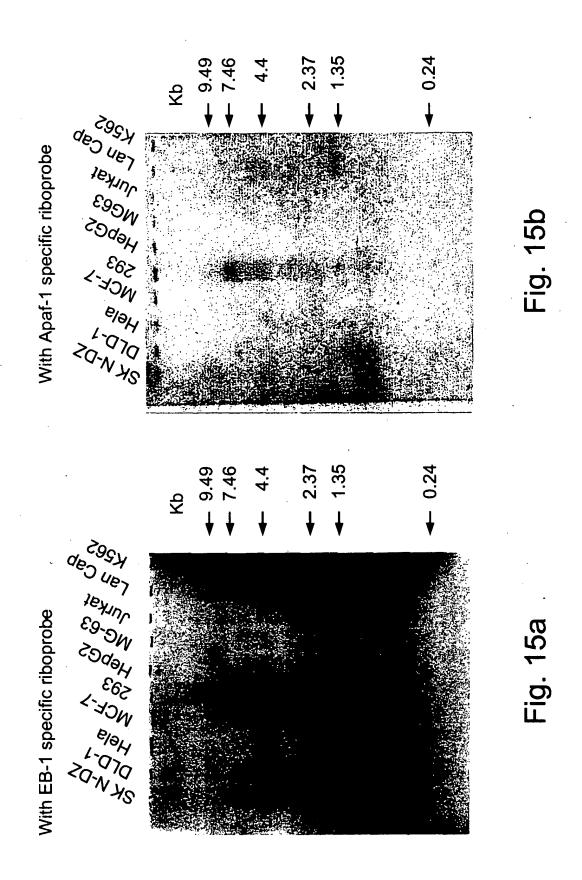
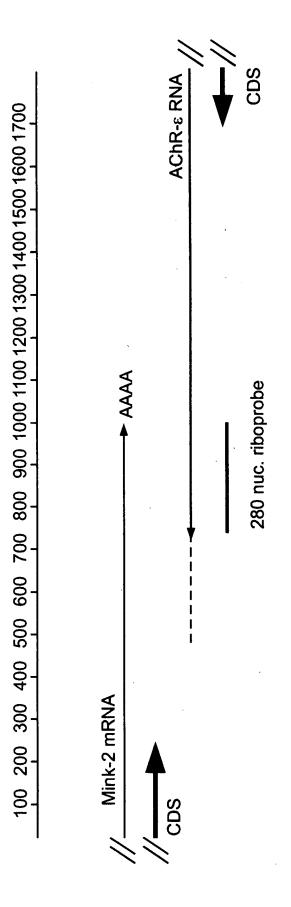


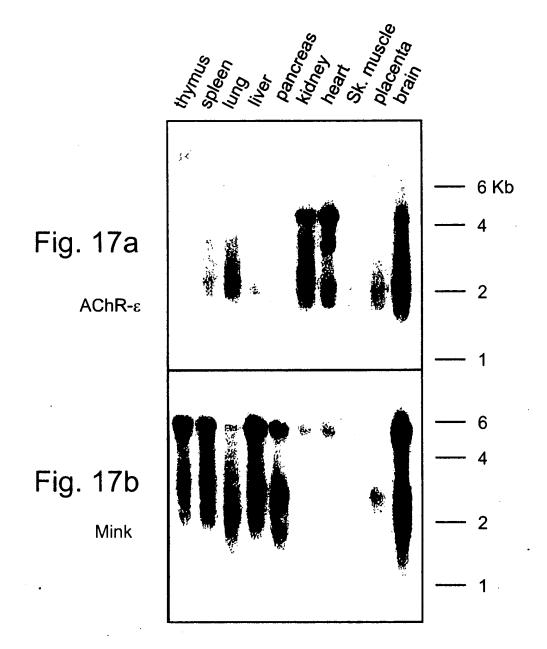
Fig. 13

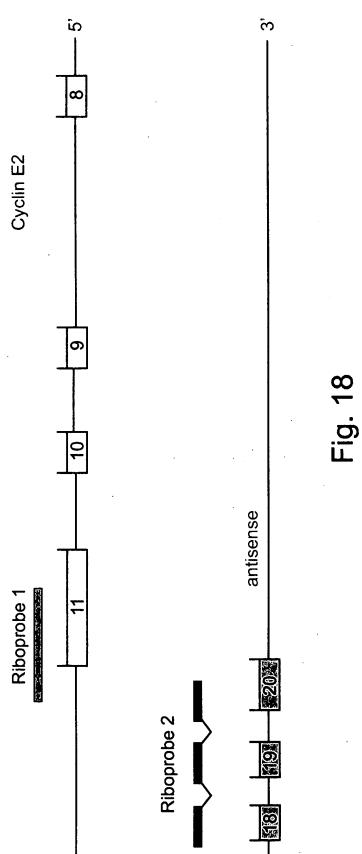






-Ig. 16





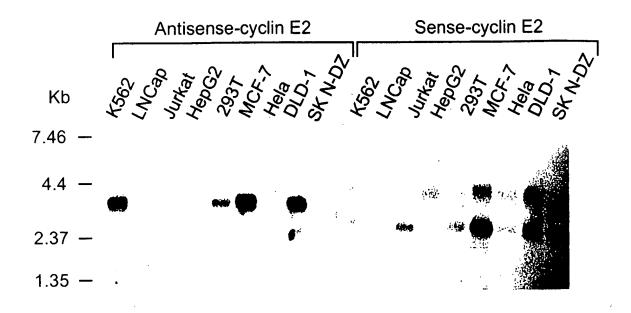


Fig. 19a

Fig. 19b

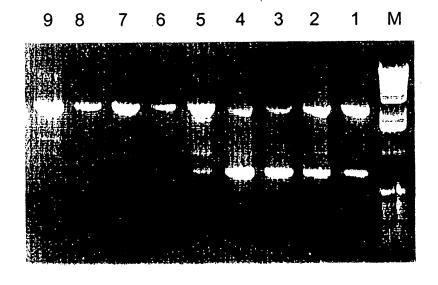
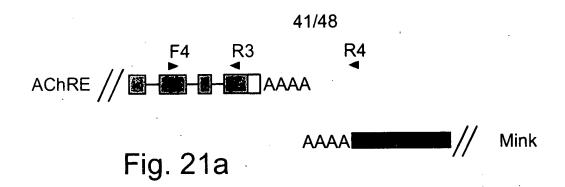
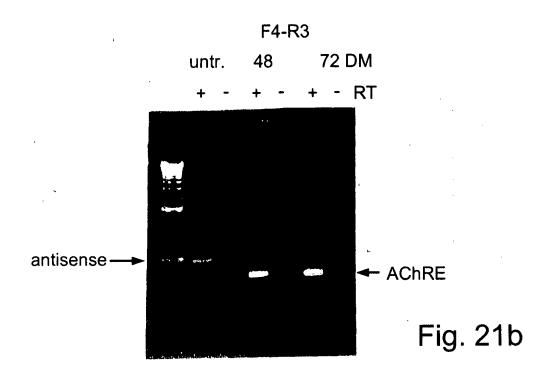
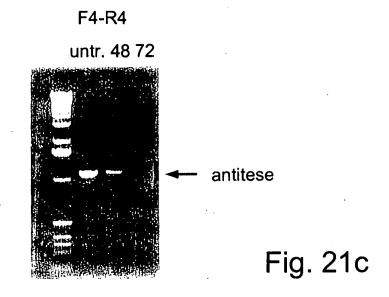


Fig. 20









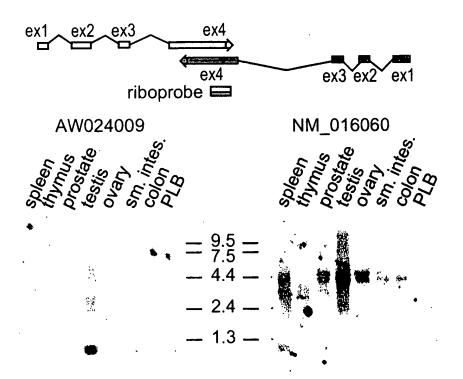


Fig. 22c

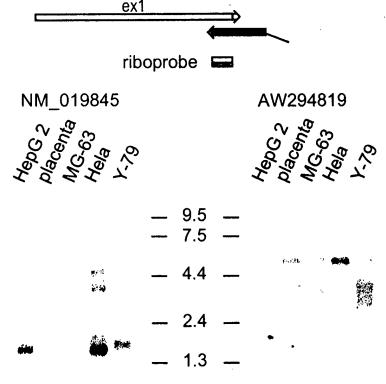


Fig. 22d

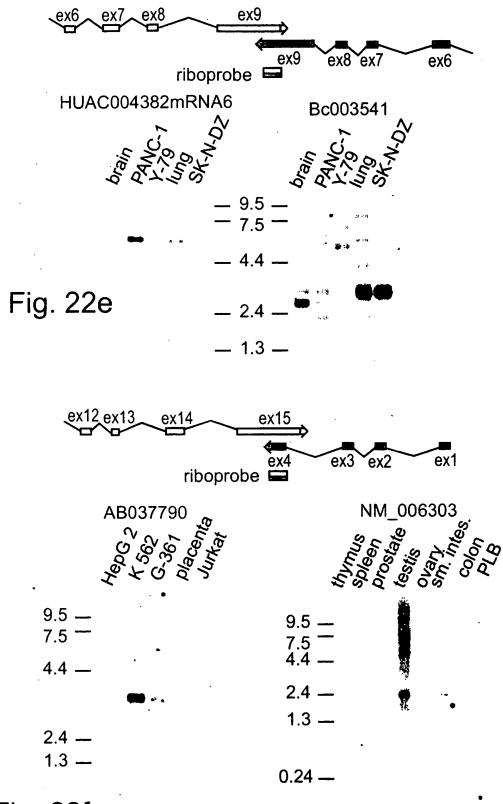


Fig. 22f

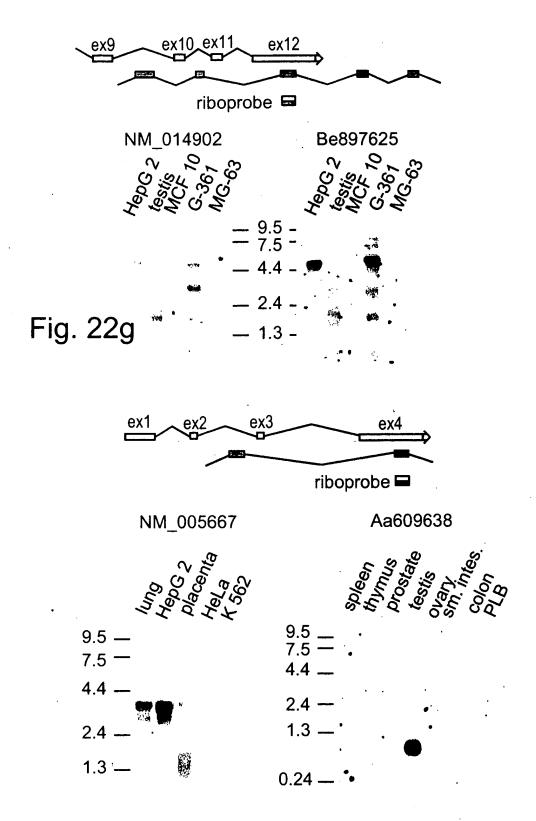
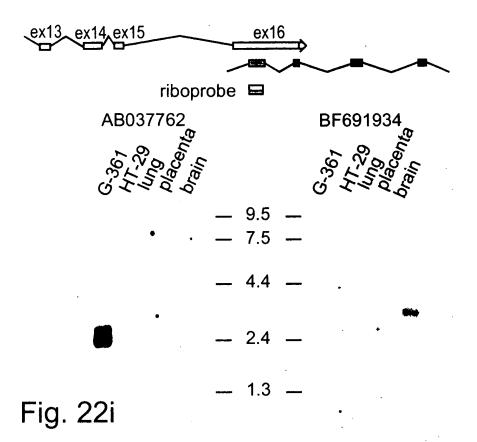


Fig. 22h



5

				4	7/4	8				,	_	_		
MCF10	50b	0.92	0.84	1.14	0.79	0.58			1.31	_	ļ	<u>!</u>	9.0	
HeLa	29	1.09	1.33	1.25	9.0			1.25	-	τ-	101	1_		
	46b	0.91	1.38	1.37	1.75	1.49		1.28	1.14		2 00 0	?		
NI564	83		0.87	0.54	1.06 0.55		l	0.49	_	_	1 32 10 39 12 09	3	_	
	45	1.01 1.12 2.24 2.6	1.28 0.87 1.38 1.33	0.91		0 74 1 01 0 79 1		0.89	0.78 1	1			-	
SNOI	62	1.12	1.65	0.75	0.65	101		0.63		1	79 U	50.0	-	
	36b	1.01	1.88	0.88	0.8	1 7 V		0.76	0.59 1.3	ų	90 0	0.0	-	
MG-63	58			1.28 0.88 0.75 0.91 0.54 1.37 1.25	2.37	•	-	0.83	1	٠,	04 0 74 M 86 M 64	5	-	
	35	0.78 0.8	1.03 0.8	1.95	1.57 2.34 2.37 0.8 0.65	-		1.14 0.83 0.76 0.63 0.89 0.49 1.28	0.47	٠,	7	3:	-	
SK-N DZ	68		0.73		1.57	4 70	2	1.27	<u>ال</u>	-	,			
	34b	99.0	787	-	.6	,		1.55	0.87	Į		3	1.14	
HT-29	26	147).52 ().88	99.0	46	<u>-</u>	0.85	142	ļ	- 6	20.0	2.32 1.14 1.78	
	33b	0.41 0.47 0.66 0.62	0.86 0.47 0.52 0.87	0.82 0.88 1.1 0.95	1.03 0.66 1.61		_	1.14 1.11 0.85 1.55 1.27	17.0		<u>+</u>	_	-	
K-562	55b 3	73 0	98.				+	4			1	201		
		0.71 0.73	0.97	1.06 1.26 1.02	1.32	-	+			1	- 1	9		
	3 31b	95 0.	2	1 90	0.91		ان ا	1 26 1 56	1 20		'	1.22	<u> </u>	
HEK -293	5 78	0.62 0.95	0.53 0.51	-1-	0		7	1		╁		1.34		
	30p			8 1.16	4 0 94		4	1 07	╦	学			<u>8</u>	ł
ES-2	53	0.89	0.7	5 0.7	0.52		8)	1 84 10 81 10 60	2 4	- -	2	5 0.53	6 0.7	1
	<u>8</u>	0.86	6 0.82	20.8	9 0		7. 	م د	2 0	() () ()	0.93	0.65	50.4	
62.A	52b	442 0.56 0.71 0.89	7 0.9	3 1.4	1 82 1 49 0 65	3	103 1.04 1.27 0.78 0.84		24 4 05 0 25	<u>"</u>].		-	1.28 1.15 0.46 0.7	
	<u>8</u>	0.5	0.9	2 1.4	,	<u>-</u>	 	<u>,</u>	꺅	-1	-	7 -1		1
Actu Virtu al al	lood	442	171	228	426		\neg	050 050	200	_	48	1 357	69	1
		+ CTRU 472	1847 1710 0.97 0.96 0.82 0.78	+ 2245 2282 1.43 1.42 0.85 0.78	27 g	-	32		+	7	33	344	63	_1
Anti	pair Ver.	CTRL	+ CTR	+ 5	2 (Z F	VER.		X X			NE NE	Ġ.	į
Probe pass thres hold		+	+	+	+		+	+	ŀ	-		+		
Probe Probe Sen		Actin	GAPDH 30um	HUMM LEA133	Known	Y JUAC	등 당	Known	aAC G	260AC	260C	261AC	72C	}

Fig. 23

							1			\neg		
Brain	12	1.16	0.86	99.0	1.43	-	1.2	4.89	-	_	-	
H1299	43	0.9	2.16	1.65	1.48	1.55	1.29	1.04	-1	-	-	
PANC-1 H1299	37	0.34 0.55 1.32 1.13 0.86	0.62	1.12 0.82 0.97 0.55 0.95 0.71 1.13 0.62 1.37 1.32 1.31 0.83 1.13	1.76	1.65	1.52	1	-1	1-	-	
MCF7	8	1.13		0.83	0.59	7	1.11	1.09	-	-	-	
	85	1.32	1.19 1.36 0.91 0.85 0.81 0.78 0.5	1.31	0.94 0.84 1.12 1.16 0.96 0.59	~	1 03 1.09 1.48 1.11	7	-	0.94 1.86	1	
HepG2	67b 85	0.55	0.81	1.32	1.16	1.3	1.09	0.84 1.55 1.1	1.68	0.94	<u>_</u>	
	86b	0.34	0.85	1.37	1.12	0.85 1.3	1 03	0.84	-	1.5	<u>-</u>	
Jurkat	99		0.91	0.62	0.84	1			_	-	-1 1.83	
	88	1.33	1.36	1.13	0.94	1	1 34	_	_	1.95 1	<u>-</u>	
G-36 1	60	1.36	1.19	0.71	_	←	0 7 0	5	-	0.58	←	
	80	1.41 1.36 1.33 1	1.4	0.95	1.42	-	0 86 0 59 1 38 0 79 1 34 1 1	0 72 0 84 0 5	2 -	1	1	
T24	51		0.57	0.55	0.35	0.57	0 52	32	7	0.52	0.99	
	69	1.52 0.94	96.0	76.0	0.77	_	98	3 6	3	96.0	1	
45	- 83	1.1	0.69	0.82	0.95	-	. 6	5		36 0.72 0.96	-	
DU 145		1.19	0.93	1.12	1.17	-	2	35	1.76	-1	1 `	
Placenta	92		0.44 0.93 0.69 0.96 0.57 1.4		ल	-	1 0 0 0	0.00	2 2 2 3 6	0.83	-	1
	72b	1.51	0.55	1.19 0.9	1.42	_	- 2	<u> </u>	70.	139	-	-
Testis	75).55					- ;	- c	S. 45	131	7	- -
	71	0.98 1.34 1.37 0.45 0.55	0.36	1.16 0.71	1 87	000	60.0	0.84 2.11 1.27 1.34 1.10	<u> </u>	217	·	1
Lung	47	1.37	0.82 0.37 0.31 0.36	6.0			1	77.	3.64 1.01 2.58 1.45		1	-
	. 02	134	0.37	1 04 1 44 0 9	1 74	1 64	ñ. ;		5.			_
	68b	0.98	0.82	2	78	2 2	0	2 2 3	3.64		1 05	5.

Fig. 23 (Cont.)